Groups of Ten  
Adapted from VanDeWalle (2018)  
Materials: recording sheet, individual bags of beans, toothpicks, paperclips, cubes, etc. (anything countable)  
Task: Students dump the objects onto the table and count them. The quantity is recorded as a number word. Then students group the objects in as many groups of ten as possible. The number of groups of ten and ‘leftovers’ or additional ones is recorded.  
Considerations: Some students may benefit from the use of a 10 frame to support their counting and grouping. Later this structure should fade as students learn to make groups on their own.  

Measuring with Ten  
Materials: recording sheet, nonstandard units for measuring (connecting cubes, small blocks, paperclips etc.), classroom objects to be measured (desks, books, chairs, etc.)  
Task: Assign students objects in the classroom to measure using nonstandard units. After students have measured the object, students count the number of units needed and record the quantity as a number word. Then students group the units in as many groups of ten as possible. The number of groups of ten and ‘leftovers’ or additional ones are recorded.  
Extension: When students become comfortable with creating and counting groups of ten, transition to using pregrouped models like precreated sets of ten or base ten blocks.  
Considerations: Think carefully about the size of the unit students are using to measure and the object they are measuring. Make certain the number range of the measurement is appropriate. Ten frames can be used to support students in making groups of ten as needed.  

Hand Grab  
Materials: recording sheet, container of objects for counting  
Task: Students reach into the container and grab a handful of objects. Students count the handful of objects and record the number amount as a number word. Students group the objects in as many groups of ten as possible. The number of groups of ten and ‘leftovers’ or additional ones are recorded.  
Extension: Two players can play together and compare their quantities to determine who has the ‘most’ each round.  
Considerations: Carefully choose the objects students will be grabbing. It may be necessary for younger children to do a two hand grab if objects or larger. Ten frames can be used to support students in making groups of ten as needed.